

Project Title	Funding	Strategic Plan Objective	Institution
Epigenetic biomarkers of autism in human placenta	\$0	Q1.L.A	University of California, Davis
GENETIC AND DIAGNOSTIC BIOMARKER DEVELOPMENT IN ASD TODDLERS USING RESTING STATE FUNCTIONAL MRI	\$0	Q1.L.B	University of California, San Diego
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$0	Q1.L.B	University of Southern California
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	\$0	Q2.S.A	University of Southern California
The mechanism of the maternal infection risk factor for autism	\$0	Q2.S.A	California Institute of Technology
Rapid screening for cortical circuit dysfunction in autism-related mouse models	\$0	Q2.S.D	University of California, Berkeley
Linking circuit dynamics and behavior in a rat model of autism	\$0	Q2.S.D	University of California, San Francisco
Direct recording from autism brains	\$0	Q2.S.E	California Institute of Technology
Assessing the Cognitive Deficits Associated with 16p11.2 Deletion Syndrome	\$0	Q2.S.G	Posit Science Corporation
Using fMRI to understand the Neural Mechanisms of Pivotal Response Treatment	\$0	Q2.L.B	University of California, Santa Barbara
Imaging-based real-time feedback to enhance therapeutic intervention in ASD	\$0	Q2.L.B	Stanford University
Undergraduate Research Award	\$0	Q2.L.B	SAN DIEGO STATE UNIVERSITY
Social Motivations and Striatal Circuit Development in Children and Adolescents with Autism	\$0	Q2.L.B	Stanford University
Atypical architecture of prefrontal cortex in young children with autism	\$0	Q2.Other	University of California, San Diego
Neural basis of cross-modal influences on perception	\$0	Q2.Other	University of California, San Diego
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	\$0	Q2.Other	University of California, Irvine
A functional genomic analysis of the cerebral cortex	\$0	Q2.Other	University of California, Los Angeles
Abnormal connectivity in autism	\$0	Q2.Other	University of California, Los Angeles
Dosage effects of 22q11 region on autism-relevant neural systems	\$0	Q3.S.A	University of California, Los Angeles
Air pollution, MET genotype and ASD risk: GxE Interaction in the EMA Study	\$0	Q3.S.C	Kaiser Permanente
Perinatal exposure to airborne pollutants and associations with autism phenotype	\$0	Q3.S.C	University of Southern California
The impact of maternal inflammation during pregnancy on placental tryptophan metabolism, and the downstream consequences on fetal brain development	\$0	Q3.S.F	University of Southern California
ASD Family Biobank Program	\$0	Q3.L.B	Kaiser Foundation Research Institute

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Extending ASD risk locus discovery to the non-coding genome - Core	\$0	Q3.L.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Illumina, Inc.	\$0	Q3.L.B	Illumina, Inc.
Investigating Wnt signaling variants in mouse models of ASD	\$0	Q4.S.B	University of California, San Francisco
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	\$0	Q4.S.B	University of California, Davis
Preclinical Autism Consortium for Therapeutics (PACT)	\$0	Q4.S.B	University of California, Davis
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	University of California, San Francisco
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	Salk Institute for Biological Studies
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	\$0	Q4.S.B	University of California, Los Angeles
Behavioral evaluation of a novel autism mouse model	\$0	Q4.S.B	Shriners Hospitals for Children - Northern California
Endocannabinoid Enhancement of Sociability in Autism-related Mouse Models	\$0	Q4.S.B	University of California, Irvine
Identifying markers for treatment response to cognitive training in autism spectrum disorders	\$0	Q4.S.F	University of California, Davis
Randomized controlled trial of oxytocin treatment for social deficits in children with autism	\$0	Q4.L.A	Stanford University
Randomized Controlled Pilot Trial of Pregnenolone in Autism	\$0	Q4.L.A	Stanford University
Response Heterogeneity to GI Treatment, Autism Symptom and Improved Oxidative Stress	\$0	Q4.L.C	CHILDREN'S HOSPITAL OF LOS ANGELES
Evaluation of group-based implementation of applied behavior analysis	\$0	Q4.L.D	Center for Autism and Related Disorders (CARD)
Improving Cost Effectiveness Through Parent Training	\$0	Q4.L.D	Center for Autism and Related Disorders (CARD)
Cognitive behavioral therapy for core autism symptoms in school-age children	\$0	Q4.L.D	University of California, Los Angeles
Deployment focused model of JASPER for preschoolers with autism spectrum disorders	\$0	Q4.L.D	University of California, Los Angeles
Factors associated with positive outcomes for children and youth with autism: Secondary analysis of data from SEELS and NLTS2	\$0	Q4.L.D	SRI International
Effectiveness of a virtual coach application in social skills training for teens with ASD	\$0	Q4.L.D	University of California, Los Angeles
HCC-Medium: Personalized socially-assistive human-robot interaction: Applications to autism spectrum disorder	\$0	Q4.Other	University of Southern California
Training Community Providers to Implement an Evidence-Based Early Intervention Program	\$0	Q4.Other	University of California, Davis

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Partnership for Research and Dissemination of Evidence-Based Medicine in Autism	\$0	Q5.L.A	University of Southern California
EAPSI: Design of augmentative and alternative communication devices for Japanese children with Autism Spectrum Disorder	\$0	Q5.L.A	Ringland Kathryn E
Personnel development to improve services and results for children with disabilities	\$0	Q5.L.C	SAN DIEGO STATE UNIVERSITY
Transdisciplinary approaches to autism spectrum disorders	\$0	Q5.Other	SAN DIEGO STATE UNIVERSITY
Successful transition in the early school years for children with autism	\$0	Q5.Other	University of California, Riverside
Transitioning Pediatric Patients with ASD to Adult Care	\$0	Q6.S.A	Kaiser Permanente
Predictors of success in postsecondary STEM education and employment for students with autism	\$0	Q6.S.A	SRI International
2014 GRC Molecular and Cellular Neurobiology Conference	\$0	Q7.K	Gordon Research Conferences
A multidimensional database for the Simons Simplex Collection	\$0	Q7.Other	University of California, Los Angeles
Building a Unified Research Agenda for K-12 Online Learning Environments to Improve STEM Outcomes for Students with Learning Disabilities and Students with Autism Spectrum Disorder	\$0	Q7.Other	SRI International
ADAPTING ELECTRONIC MEDICAL RECORD TO MEASURE MEDICAL OUTCOMES IN ASD POPULATIONS	\$0	Q7.Other	CHILDREN'S HOSPITAL RESEARCH CENTER
Undergraduate Research Award	\$3,000	Q1.L.B	University of California, Santa Barbara
Undergraduate Research Award	\$3,000	Q3.S.K	Stanford University
Prospective Evaluation of Air Pollution, Cognition, and Autism from Birth Onward	\$6,676	Q3.S.H	University of Southern California
TSC/mTOR Signaling in Adult Hippocampal Neurogenesis: Impact on Treatment and Behavioral Models of Autism Spectrum Disorders in Mice	\$7,769	Q2.Other	University of California, Los Angeles
A peer-facilitated, multi-component social skills intervention for adolescents with ASD	\$9,759	Q4.L.D	University of California, Santa Barbara
An evaluation of a behaviorally based social skills group for young children diagnosed with autism	\$10,000	Q4.L.D	Autism Partnership Foundation
Using eLearning to train educational staff to implement paired-choice preference assessments	\$12,000	Q4.S.C	Center for Autism and Related Disorders (CARD)
Simons Simplex Collection support grant	\$13,200	Q3.L.B	University of California, Los Angeles
a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	\$15,000	Q2.Other	University of California, Davis

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Exploration of the relationship between race/ethnicity and behavioral co-morbidities and medication treatment in children with autism spectrum disorder	\$16,569	Q4.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
An exploration of genetic and behavioral variables in Autism Spectrum Disorder	\$18,200	Q3.S.A	Center for Autism and Related Disorders (CARD)
Targeting Environment and Neuro-Developmental Risks-2nd Workshop	\$20,000	Q3.Other	University of California, Davis
Transcriptional Regulators in Normal Human Brain Development and Autism	\$21,100	Q2.Other	University of California, Los Angeles
SFARI Undergraduate Summer Research Program	\$24,000	Q7.K	California Institute of Technology
The Interplay Between Human Astrocytes and Neurons in Psychiatric Disorders	\$25,000	Q2.Other	University of California, San Diego
Detection of clostridium perfringens toxins in the gut flora of autistic children	\$25,000	Q3.S.I	VA Medical Center, Los Angeles
Investigations of a Proposed Molecular Feedback Loop in Cortical Neurons in Psychiatric Pathogenesis	\$25,000	Q4.S.B	University of California, San Francisco
SFARI Undergraduate Summer Research Program	\$25,000	Q7.K	The Regents of the University of California, Los Angeles
A Centralized Standard Database for the Baby Siblings Research Consortium	\$25,000	Q7.O	University of California, Davis
Identification and validation of genetic variants which cause the Autism Macrocephaly subphenotype	\$29,500	Q2.S.G	University of California, Los Angeles
Gene by Environment Influences on Forebrain Development	\$29,500	Q3.S.K	University of Southern California
Behavioral, Cognitive, and Neural Signatures of Autism in Girls: Towards Big Data Science in Psychiatry	\$30,000	Q2.S.B	Stanford University
Interrogating Synaptic Transmission in Human Neurons	\$30,000	Q2.Other	Stanford University
Regulation of Interneuron Development in the Cortex and Basal Ganglia by Coup-TF2	\$30,000	Q2.Other	University of California, San Francisco
A Role for Cytoplasmic Rbfox1/A2BP1 in Autism	\$30,000	Q2.Other	University of California, Los Angeles
Alterations of the human brain structural connectome in preschool aged children with ASD	\$30,000	Q2.Other	University of California, Davis
Signaling Pathways that Regulate Excitatory-inhibitory Balance	\$30,000	Q2.Other	University of California, San Diego
Novel Proteomics Approach to Oxidative Posttranslational Modifications Underlying Anxiety and Autism Spectrum Disorders	\$32,930	Q3.S.E	SANFORD-BURNHAM MEDICAL RESEARCH INSTIT
Cortactin and Spine Dysfunction in Fragile X	\$33,763	Q2.S.D	University of California, Irvine
A Comparative Analysis of Home Versus Center-Based Treatment for Autism Spectrum Disorder	\$34,200	Q4.L.D	Center for Autism and Related Disorders (CARD)
Investigating Autism with Direct Intracranial Recordings	\$35,000	Q2.S.E	California Institute of Technology

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Uncovering the Spectrum of De Novo Mutation in Autism through Whole Genome Sequencing	\$35,000	Q3.S.A	University of California, San Diego
Physical Exercise to Reduce Anxiety in Underserved Children with ASD	\$40,374	Q4.S.H	University of California, Irvine
Exploring VIPR2 microduplication linkages to autism in a mouse model	\$42,000	Q4.S.B	University of California, Los Angeles
evaluation of effects of intensity and duration on outcomes across treatment domains for children with autism spectrum disorder	\$45,100	Q4.Other	Center for Autism and Related Disorders (CARD)
The use of eye-tracking as an outcome measure for an innovative early social intervention for ASD	\$50,064	Q4.Other	University of California, Santa Barbara
Utilization of the Navigation Guide to Understand Environmental Exposures and Risk of ASD	\$50,908	Q7.O	University of California, San Francisco
Investigating the role of Tsc1 in neocortical circuit assembly	\$52,406	Q2.S.D	STANFORD UNIVERSITY
Identification of genetic pathways that regulate neuronal circuits in C. elegans	\$54,194	Q2.Other	University of California, San Diego
EEG biomarkers of language and literacy abilities in minimally verbal children with ASD	\$54,400	Q1.L.B	University of California, Los Angeles
Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	\$54,400	Q2.S.D	University of California, San Francisco
Investigating role of neurexin-1 mutation in autism using human induced neurons	\$56,042	Q2.Other	STANFORD UNIVERSITY
PCBs interact with mTOR signaling to disrupt neuronal connectivity in zebrafish	\$56,042	Q3.S.K	University of California, Davis
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$56,116	Q3.S.C	University of California, Davis
An Evaluation of a Mobile Application Designed to Teach Receptive Language Skills to Children with Autism Spectrum Disorder	\$56,700	Q4.Other	Center for Autism and Related Disorders (CARD)
An Evaluation of the Impact of Supervision Intensity, Supervisor Qualifications, and Caseload on Outcomes in the Treatment of Autism Spectrum Disorder	\$57,000	Q4.Other	Center for Autism and Related Disorders (CARD)
Dissemination of Early Life Exposure Assessment Tool (ELEAT)	\$58,478	Q3.Other	University of California, Davis
BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome	\$59,000	Q2.S.D	The Regents of the University of California, Santa Barbara
Determining a potential causal link between the human microbiome and autism symptoms	\$59,700	Q3.S.K	California Institute of Technology
An investigation of inductive learning in autism	\$59,770	Q2.Other	The Regents of the University of California, Berkeley
Discovery and Functional Characterization of Gene Regulatory Networks (GRNs) of Autism Risk Genes	\$59,900	Q3.Other	CHILDREN'S HOSPITAL OF LOS ANGELES

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Role of Neurexin in Synapse Formation and Maintenance	\$59,966	Q2.Other	STANFORD UNIVERSITY
Sleep Disordered Breathing, Microparticles and Proinflammation in ASD	\$60,000	Q2.S.E	Stanford University
Direct Recordings from the Brain in Autism	\$60,000	Q2.S.E	California Institute of Technology
Explore the pathogenic role of mTor signaling in chr16p11.2 microdeletion	\$60,000	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Exploring the Intersection of Autism and Homeostatic Synaptic Plasticity	\$60,000	Q3.Other	The Regents of the University of California, San Francisco (Contracts & Grants)
Electrophysiological consequences of SCN2A mutations found in ASD	\$60,000	Q4.S.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Optogenetic treatment of social behavior in autism	\$60,236	Q2.Other	University of California, Los Angeles
A functional near-infrared spectroscopy study of first signs of autism	\$61,232	Q1.L.A	Stanford University
Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	\$62,479	Q2.Other	The Regents of the University of California, Los Angeles
Illuminating the role of glia in a zebrafish model of Rett syndrome	\$62,500	Q2.S.D	The Regents of the University of California, San Diego
Comparison of cortical circuit dysfunction in ASD model mice	\$62,500	Q4.S.B	The Regents of the University of California, Berkeley
Microcircuit endophenotypes for autism	\$62,500	Q4.S.B	University of California, San Francisco
Biomarker discovery for low sociability: A monkey model	\$62,500	Q4.S.B	Stanford University
The Center for Autism & Developmental Disorders	\$69,340	Q7.N	University of California, Irvine
Developing Scalable Measures of Behavior Change for ASD Treatments- Project 3	\$70,914	Q1.L.C	University of Southern California
Axonal Ultrastructure of Temporal White Matter in Autism	\$78,250	Q2.Other	University of California, Davis
Shared and Distinct Developmental Pathways to ADHD and Autism Spectrum Disorder	\$82,062	Q2.S.E	University of California, Davis
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$82,158	Q3.S.C	University of California, Davis
PACT Infrastructure Contract	\$82,500	Q7.P	University of California, Davis
ASD Advocacy to Action: Planned Partnership of Under-Resourced Families in South Los Angeles	\$85,339	Q5.L.A	University of California, Los Angeles
Neurobiology of Rai1, a critical gene for syndromic ASDs	\$87,500	Q2.S.D	The Board of Trustees of the Leland Stanford Junior University (Stanford)
Administrative Core/Leadership	\$90,133	Q7.Other	University of California, Davis
Intensity and Learning Outcomes in the Treatment of Children with Autism Spectrum Disorder	\$90,860	Q4.Other	Center for Autism and Related Disorders (CARD)
Clinical Trial of Suramin to Treat Autism	\$100,000	Q4.L.A	University of California, San Diego

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Validation of candidate ASD genes by targeted sequencing with molecular inversion probes	\$101,258	Q3.L.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Modeling multiple heterozygous genetic lesions in autism using <i>Drosophila melanogaster</i>	\$101,373	Q2.Other	University of California, Los Angeles
ATN 2014 - Children's Hospital Los Angeles	\$101,502	Q7.N	CHILDREN'S HOSPITAL OF LOS ANGELES
Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	\$103,684	Q4.S.B	University of California, Davis
Project 2: Perinatal Epigenetic Signature of Environmental Exposure	\$103,803	Q3.S.J	University of California, Davis
Project 4: Calcium Signaling Defects in Autism (Pessah/Lein)	\$107,518	Q2.Other	University of California, Davis
Project 3: Immune Environment Interaction and Neurodevelopment	\$107,931	Q2.S.A	University of California, Davis
Analysis of autism-associated alleles in <i>C. elegans</i>	\$108,061	Q4.S.B	California Institute of Technology
Facility Core: Analytical and Environmental Chemistry	\$110,969	Q7.Other	University of California, Davis
Role of Autism Susceptibility Gene, TAOK2 kinase, and its novel substrates in Synaptogenesis	\$120,904	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Biological Analysis Core	\$121,537	Q7.J	University of California, Davis
Expressive Language Sampling as an Outcome Measure in ASD	\$124,985	Q1.L.C	The Regents of the University of California (Davis)
Development of a blood-based biomarker for autism	\$124,993	Q1.L.A	University of California, San Francisco
Brain Imaging and Cell Signaling: Insights into the Biology of Autism	\$124,999	Q1.L.B	The Regents of the University of California, San Francisco (Contracts & Grants)
Sexually dimorphic gene-expression and regulation to evaluate ASD sex bias	\$125,000	Q2.S.B	University of California, San Francisco
Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes	\$125,000	Q2.Other	The Regents of the University of California, San Francisco (Contracts & Grants)
In vivo approach to screen ASD allele functions in cortical interneurons	\$125,000	Q4.S.B	University of California, San Francisco
The Role of Cation/Proton Exchanger NHE9 in Autism	\$125,000	Q4.S.B	University of California, San Francisco
How do autism-related mutations affect basal ganglia function?	\$125,000	Q4.S.B	University of California, Berkeley
Translational dysregulation of the RhoA pathway in autism	\$125,605	Q2.Other	The Regents of the University of California, San Diego
Neurobehavioral Analysis Core	\$126,038	Q1.S.B	University of California, Davis
Brain Systems Underlying Episodic Memory for Social Stimuli in Childhood Autism	\$126,252	Q2.Other	STANFORD UNIVERSITY
Genomics Core	\$142,154	Q2.Other	University of California, San Diego
Project 1: Epidemiology and the Environment in Autism (Hertz-Picciotto)	\$144,203	Q3.L.D	University of California, Davis

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Maternal Diabetes during Pregnancy and Neurodevelopment in the Offspring	\$145,987	Q3.S.H	University of California, Los Angeles
Detecting and Treating Social Impairments in a Monkey Model	\$146,468	Q4.S.B	Stanford University
Multimodal Imaging of Social Brain Networks in ASD	\$149,499	Q2.Other	SAN DIEGO STATE UNIVERSITY
SBIR Phase I: Say What I Feel	\$149,964	Q4.S.G	iTherapy LLC
Development of a Prospective Parent Report Measure to Identify ASD Risk in Infancy	\$150,000	Q1.S.B	University of California, Davis
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$155,989	Q3.S.C	University of California, San Diego
Mechanisms underlying word learning in fragile X syndrome and nonsyndromic ASD	\$156,333	Q2.S.D	University of California, Davis
Epigenetic and Transcriptional Dysregulation in Autism Spectrum Disorder	\$164,472	Q3.S.J	University of California, Los Angeles
Brain Systems Supporting Learning and Memory in Children with Autism	\$170,779	Q2.Other	STANFORD UNIVERSITY
Neural Phenotypes of Females with Autism Spectrum Disorder	\$173,011	Q2.S.B	University of California, Davis
Decoding Neural Systems Underlying Affective Prosody in Children with Autism	\$175,960	Q2.Other	STANFORD UNIVERSITY
Predicting the Decline of Social Attention in Infants at Risk for Autism	\$176,818	Q1.L.A	University of California, Los Angeles
Prefrontal corticothalamic circuits in autism	\$178,646	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Neural Predictors of Language Function After Intervention in Children with Autism	\$181,319	Q1.L.B	University of California, Los Angeles
Developing the Autism Model of Implementation for ASD Community Providers	\$185,332	Q5.L.A	SAN DIEGO STATE UNIVERSITY
Neural assays and longitudinal assessment of infants at very high risk for ASD	\$185,656	Q1.L.A	University of California, Los Angeles
fMRI and EEG approaches to the resting state in ASD	\$190,411	Q2.Other	SAN DIEGO STATE UNIVERSITY
Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$190,558	Q2.S.G	University of California, Los Angeles
Neuroimaging/Neurophysiology	\$193,070	Q7.Other	University of California, Los Angeles
Protein network of high risk copy number variants for psychiatric disorders	\$193,750	Q2.Other	University of California, San Diego
Air Pollution and Autism in Denmark	\$195,216	Q3.S.H	University of California, Los Angeles
Functional Outcomes of Interactions between an ASD-Relevant Gene and Air Pollution	\$195,625	Q3.S.K	University of California, Davis
Pivotal Response Treatment Package for Young Children with Autism	\$198,618	Q4.S.C	STANFORD UNIVERSITY



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Getting SMART about Social and Academic Engagement of Elementary aged students with Autism Spectrum Disorder	\$199,993	Q4.L.D	University of California, Los Angeles
Immune signaling in the developing brain in mouse models of ASD	\$200,000	Q2.S.A	University of California, Davis
Mechanisms of Autonomic Brainstem Development	\$202,500	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Childhood Autism and Air Pollution - A Statewide Study	\$206,175	Q3.S.H	University of California, Los Angeles
Administrative Core	\$210,704	Q7.Other	University of California, Los Angeles
1/3 Treatment of Anxiety in Autism Spectrum Disorder	\$218,092	Q4.S.A	University of California, Los Angeles
Interdisciplinary Training for Autism Researchers	\$219,574	Q7.K	University of California, Davis
CHARACTERIZATION OF OXYTOCIN RECEPTORS IN AUTISM SPECTRUM DISORDER	\$220,839	Q2.Other	University of California, Davis
Pesticide Exposure and Childhood Autism	\$222,763	Q3.S.F	University of California, Los Angeles
Research education and training	\$232,137	Q7.K	University of California, Los Angeles
DETECTING THE TRANSFER OF MATERNAL ANTIBODIES INTO THE FETAL RHESUS MONKEY BRAIN	\$233,500	Q2.S.A	University of California, Davis
Diagnostic and recruitment	\$236,921	Q7.Other	University of California, Los Angeles
Quantitative Measurements of Cortical Excitability in Neurodevelopmental Disorder	\$237,250	Q2.Other	STANFORD UNIVERSITY
Variation in Neuroligin Concentration and Presynaptic Functional Development	\$237,438	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Epigenetic regulation of social impairments and treatment response in autism	\$240,750	Q3.S.J	STANFORD UNIVERSITY
Mutations in noncoding DNA and the missing heritability of autism	\$244,030	Q3.L.B	University of California, San Diego
Autism Metabolomics and Environment (AIME)	\$244,232	Q3.S.H	University of California, Los Angeles
Pre-clinical evaluation of oxytocin for ASD treatment discovery	\$244,898	Q4.S.B	University of California, Davis
CLARITY: circuit-dynamics and connectivity of autism-related behavior	\$246,539	Q2.Other	Stanford University
Project Common Ground: Preparing highly qualified speech-language pathologists to meet the communication needs of children with autism spectrum disorder in diverse settings	\$249,661	Q5.L.C	San Francisco State University
Leading Excellence for Academic Positions in Special Education (LEAPS)	\$249,930	Q7.K	The Regents Of The University Of California -- Graduate School Of Education - Graduate School Of Education
Neural mechanisms of social reward in mouse models of autism	\$249,994	Q4.S.B	Stanford University
Project Surfboard: Sustaining Practicies by Specialists on Autism Spectrum Disorder	\$249,999	Q5.Other	SAN DIEGO STATE UNIVERSITY

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Neurexin function in the prefrontal cortex and autism pathogenesis	\$250,000	Q4.S.B	Stanford University
Chromatin remodeling in autism	\$250,000	Q4.S.B	Stanford University
A probiotic therapy for autism	\$250,000	Q4.Other	California Institute of Technology
Training & research for autism & collaboration in kinesiology	\$250,000	Q5.Other	Chico Research Foundation
Synergy between genetic risk and placental vulnerability to immune events	\$250,874	Q2.S.A	Stanford University
Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$253,652	Q2.S.G	University of California, Los Angeles
Strengthening the effects of parent-implemented early intervention to improve symptoms of ASD	\$254,491	Q4.S.D	University of California, Davis
Wireless EEG System for Training Attention and Eye Movement in ASD	\$256,065	Q4.Other	University of California, San Diego
Supported Employment, Cognitive Enhancement, Social Skills Program for ASD Adult	\$261,772	Q6.L.A	Rady Children's Hospital Health Center
Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	\$268,210	Q4.S.B	University of California, Los Angeles
Cell-specific molecular mechanisms underlying brain pathology in ASD	\$274,021	Q2.Other	University of California, Davis
Augmenting language interventions for ASD: A translational approach	\$280,788	Q4.L.A	University of California, Los Angeles
Decoding Affective Prosody and Communication Circuits in Autism	\$281,028	Q2.L.B	Stanford University
Targeting joint engagement in infants at risk for ASD: Integrating treatment with	\$281,397	Q4.L.B	University of California, Los Angeles
Optimization of Fidelity Procedures for Pivotal Response Training in Autism	\$292,970	Q5.L.A	University of California, San Diego
Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	\$299,537	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
A Controlled Trial of Sertraline in Young Children with ASD	\$300,000	Q4.L.A	University of California, Davis
MCH Health Care Transitions Research Network (HCT-RN) for Youth and Young Adults with Autism Spectrum Disorders (ASD)	\$300,000	Q6.Other	University of California, Los Angeles
Prenatal Exposure to Phthalates in a High-Risk ASD Pregnancy Cohort	\$313,000	Q3.S.F	University of California, Davis
Intra-Prenatal Origins of Neurometabolic Consequences	\$319,550	Q2.S.A	University of California, Los Angeles
Role of pre-natal Vitamin D and gene interactions in Autism Spectrum Disorders; leveraging an existing case-control study	\$322,090	Q3.S.C	SEQUOIA FOUNDATION

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Inhibitory mechanisms for sensory map plasticity in cerebral cortex.	\$326,282	Q2.Other	University of California, Berkeley
Scalable technologies for genome engineering in hiPSCs	\$341,000	Q4.S.B	University of California, San Diego
The UC Davis Center for Children's Environmental Health and Disease Prevention	\$343,850	Q3.L.D	University of California, Davis
Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	\$352,066	Q2.S.D	STANFORD UNIVERSITY
THE ROLE OF MECP2 IN RETT SYNDROME	\$356,699	Q2.S.D	University of California, Davis
Formation and Function of Circuitry for Vocal Learning	\$361,456	Q4.S.B	University of California, Los Angeles
Cellular Density and Morphology in the Autistic Temporal Human Cerebral Cortex	\$365,795	Q2.Other	University of California, Davis
Early Identification of ASD: Translating Eye Tracking into Practice	\$373,818	Q1.S.B	University of California, San Diego
Grandparental Exposures and Risk of Autism in the Third Generation	\$375,781	Q3.L.D	Public Health Institute, Oakland, CA
Typical and Pathological Cellular Development of the Human Amygdala	\$385,000	Q2.Other	University of California, Davis
Optogenetic treatment of social behavior in autism	\$385,000	Q2.Other	University of California, Los Angeles
Treatment of Autism Symptoms in Children (TASC): Initial RCT with Active Control	\$385,000	Q4.Other	University of California, Los Angeles
Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$385,668	Q2.S.G	University of California, San Francisco
PHENOTYPING ASTROCYTES IN HUMAN NEURODEVELOPMENTAL DISORDERS	\$386,607	Q2.Other	STANFORD UNIVERSITY
Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder	\$392,186	Q2.L.A	SAN DIEGO STATE UNIVERSITY
Virtual reality applications for the study of attention and learning in children with autism and ADHD	\$399,277	Q4.L.D	University of California, Davis
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$407,053	Q3.S.J	University of California, Davis
Adapting an Evidence-Based Program for Infants and Toddlers at High Risk for Autism	\$410,911	Q4.L.D	University of California, San Diego
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$415,893	Q3.S.A	BROAD INSTITUTE, INC.
Biology of Non-Coding RNAs Associated with Psychiatric Disorders	\$416,433	Q2.Other	University of Southern California
Molecular genetic dissection of amygdala microcircuitry controlling decision-making	\$416,875	Q3.S.K	CALIFORNIA INSTITUTE OF TECHNOLOGY
Improving Participation in Dental Care and Oral Health Outcomes for Underserved Children with ASD	\$428,773	Q5.L.E	University of California, Irvine

Project Title	Funding	Strategic Plan Objective	Institution
A computational framework for predicting the impact of mutations in autism	\$431,352	Q2.S.G	University of California, San Diego
Heparan sulfate in neurophysiology and neurological disorders	\$449,744	Q2.Other	SANFORD-BURNHAM MEDICAL RESEARCH INSTIT
The Roles of Environmental Risks and GEX in Increasing ASD Prevalence	\$450,208	Q3.L.D	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Rapid Phenotyping for Rare Variant Discovery in Autism	\$453,878	Q3.S.A	University of California, Los Angeles
BDNF and the Restoration of Synaptic Plasticity in Fragile X and Autism	\$455,630	Q2.S.D	University of California, Irvine
High content assays for cellular and synaptic phenotypes	\$462,191	Q2.Other	University of California, San Diego
The neurobiological basis of heterogeneous social and motor deficits in ASD	\$464,220	Q2.Other	University of Southern California
Development of a Prospective Video-Based Measure to Identify ASD Risk in Infancy	\$465,547	Q1.S.B	University of California, Davis
Dissecting neural mechanisms integrating multiple inputs in C. elegans	\$485,000	Q2.Other	SALK INSTITUTE FOR BIOLOGICAL STUDIES
Language Development in Fragile X Syndrome	\$495,501	Q2.S.D	University of California, Davis
Gaining insight into psychiatric disease by engineering piece by piece the human brain in vitro.	\$496,813	Q2.Other	STANFORD UNIVERSITY
Reproducible protocols for robust cortical neuron and astroglial differentiation	\$500,132	Q2.Other	University of California, San Diego
Predictors of Cognitive Development in Autism Spectrum Disorder	\$504,641	Q2.L.A	University of California, Davis
The Roles of Environmental Risks and GEX in Increasing ASD Prevalence	\$523,986	Q3.L.D	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Administrative Core	\$543,171	Q7.Other	University of California, San Diego
Investigating the Gut Microbiome for Novel Therapies and Diagnostics for Autism	\$558,136	Q3.S.I	CALIFORNIA INSTITUTE OF TECHNOLOGY
Examining the efficacy of classroom pivotal response teaching in classroom environments	\$570,210	Q4.S.D	Rady Children's Hospital Health Center
GABRB3 and Placental Vulnerability in ASD	\$581,537	Q2.S.A	STANFORD UNIVERSITY
Mathematical Cognition in Autism: A Cognitive and Systems Neuroscience Approach	\$605,511	Q2.Other	STANFORD UNIVERSITY
Sensory Adapted Dental Environments to Enhance Oral Care for Children	\$632,761	Q5.L.E	University of Southern California
Genotype-Phenotype Relationships in Fragile X Families	\$633,789	Q2.S.D	University of California, Davis
Folic Acid Prevention Pathways for ASD in High Risk Families	\$637,260	Q3.L.A	University of California, Davis
Integrity and Dynamic Processing Efficiency of Networks in ASD	\$641,036	Q2.Other	SAN DIEGO STATE UNIVERSITY

Project Title	Funding	Strategic Plan Objective	Institution
Neural Phenotypes of Females with Autism Spectrum Disorder	\$675,236	Q2.S.B	University of California, Davis
4/4 The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$676,656	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Function and Structure Adaptations in Forebrain Development	\$678,394	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Induced neuronal cells: A novel tool to study neuropsychiatric diseases	\$680,862	Q2.Other	STANFORD UNIVERSITY
Environmental contribution to neuronal-methylome dynamics in animal models of autism spectrum disorders	\$685,424	Q3.S.J	SALK INSTITUTE FOR BIOLOGICAL STUDIES
3/5-The Autism Biomarkers Consortium for Clinical Trials	\$709,293	Q1.L.B	University of California, Los Angeles
FUNCTION OF NEUREXINS	\$716,276	Q2.Other	STANFORD UNIVERSITY
Effectiveness and Implementation of a Mental Health Intervention for ASD	\$746,838	Q5.L.A	University of California, San Diego
Longitudinal MRI Study of Brain Development in Fragile X	\$769,619	Q2.S.D	STANFORD UNIVERSITY
Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder	\$770,599	Q2.L.A	University of California, Davis
The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype	\$771,520	Q2.L.A	SAN DIEGO STATE UNIVERSITY
Implementing an emergent literacy program for students with intellectual disabilities and autism in general education classrooms	\$777,147	Q4.S.D	San Francisco State University
Single-cell approaches to deconvolution of disease-associated signals	\$817,969	Q2.Other	University of California, San Diego
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - California	\$900,000	Q3.L.D	Kaiser Foundation Research Institute
4/4 The Autism Sequencing Consortium: Autism gene discovery in the >20,000 exomes (supplement)	\$919,964	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Adapting an Evidence-Based Practice for Children At-Risk for Autism for Diverse Early Intervention Service Systems	\$984,440	Q4.L.D	The Regents of the University of California
A gene-driven systems approach to identifying autism pathology	\$998,627	Q2.S.G	University of California, San Francisco
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$1,096,329	Q3.S.C	University of California, San Diego
Effects of Chronic Intranasal Oxytocin	\$1,105,938	Q4.S.B	University of California, Davis
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$1,106,052	Q3.S.C	University of California, Davis
DETECTION OF ASD AT THE 1ST BIRTHDAY AS STANDARD OF CARE: THE GET SET EARLY MODEL	\$1,107,043	Q1.S.D	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
Autism Risk, Prenatal Environmental Exposures, and Pathophysiologic Markers	\$1,798,242	Q3.S.C	University of California, Davis
Autism Intervention Research Network on Behavioral Health (AIR-B network)	\$1,999,997	Q4.S.D	University of California, Los Angeles
Adaptive Interventions for Minimally Verbal Children with ASD in the Community	\$2,553,473	Q4.S.G	University of California, Los Angeles
Intervention effects of intensity and delivery style for toddlers with ASD	\$2,594,565	Q4.S.D	University of California, Davis
Autism Genetics, Phase II: Increasing Representation of Human Diversity	\$2,715,972	Q3.S.D	University of California, Los Angeles

